

FIG. 1A

ENGINEERED *rib* OPERON AND CHLORAMPHENICOL RESISTANCE GENE (CMR) OF pRF69

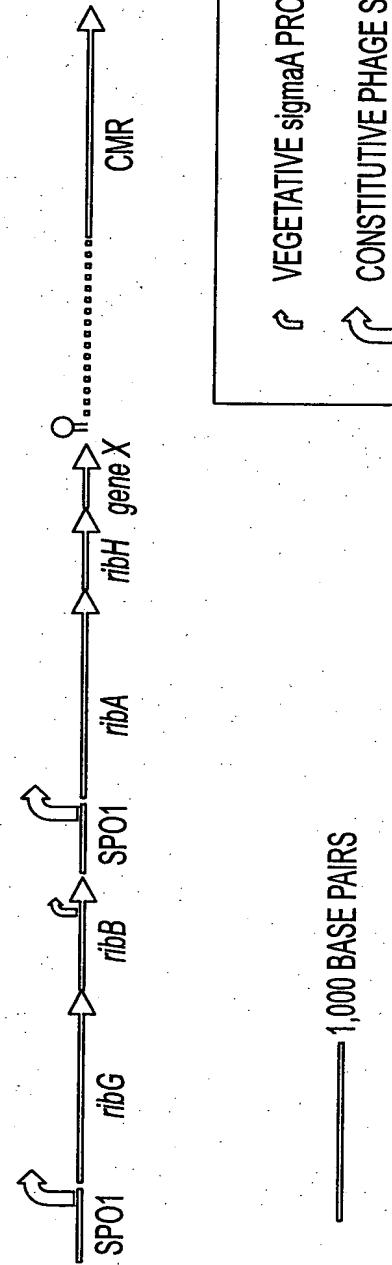


FIG. 1B

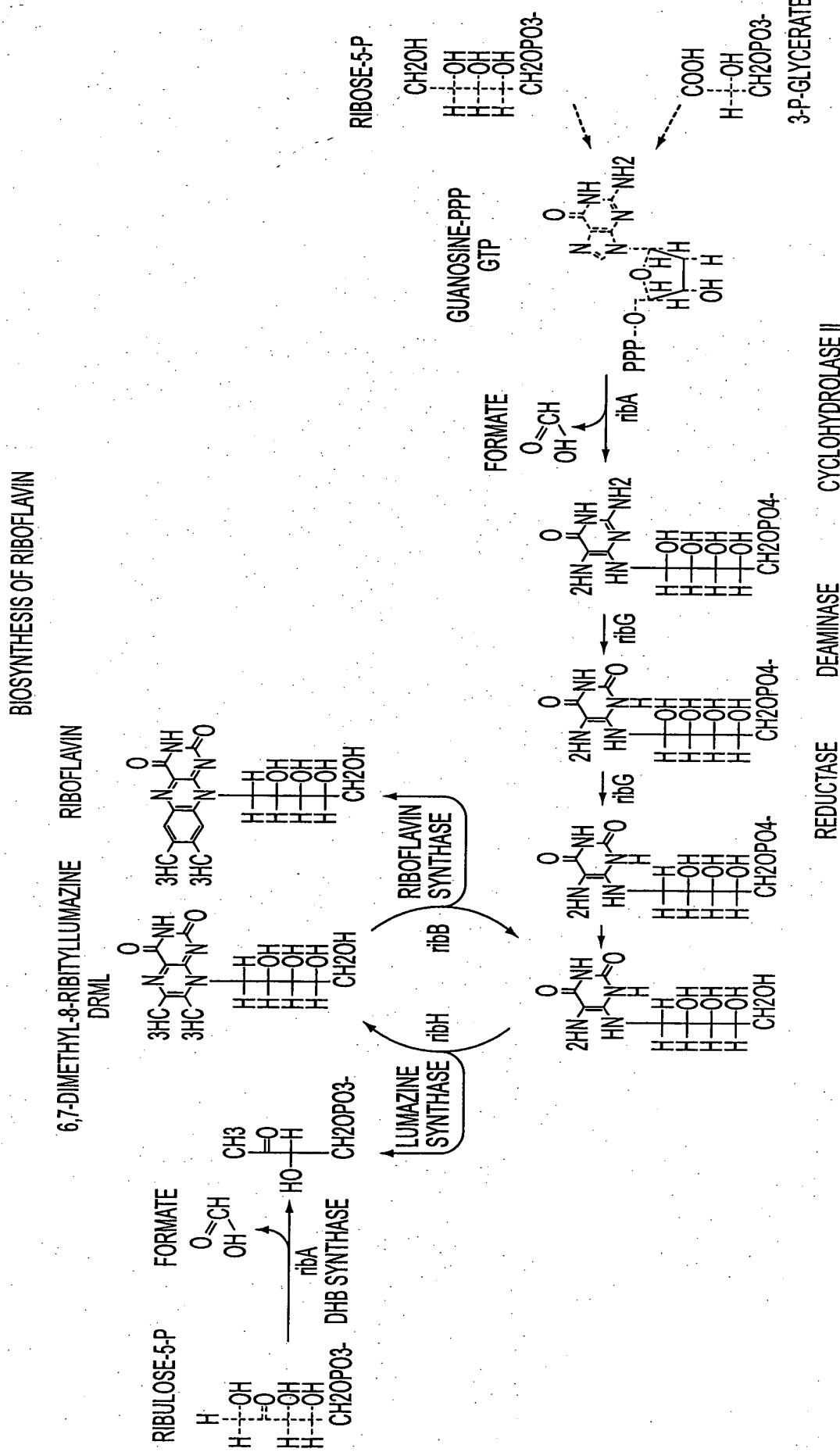


FIG. 2

BIOTIN BIOSYNTHESIS IN *Bacillus*

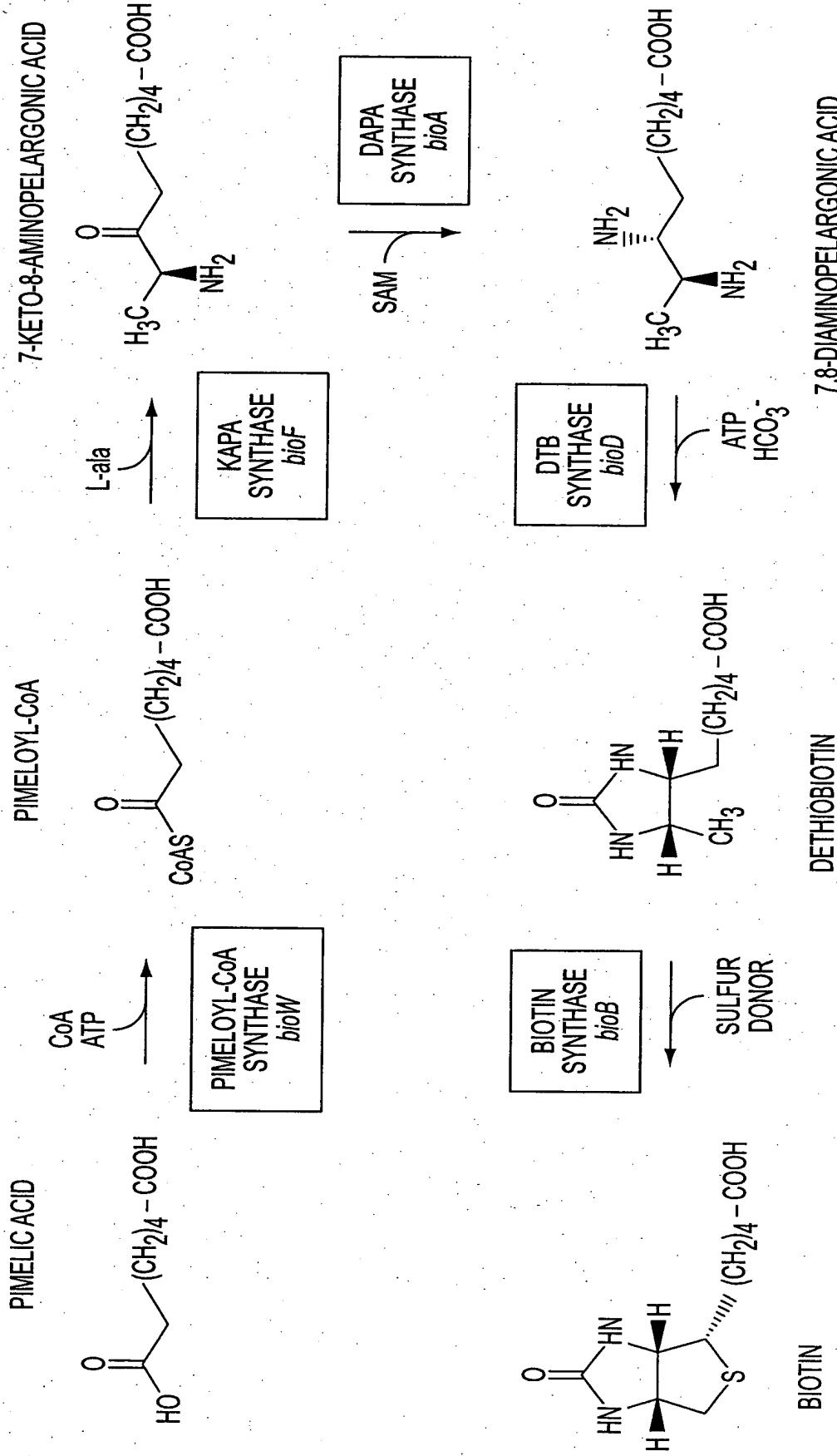
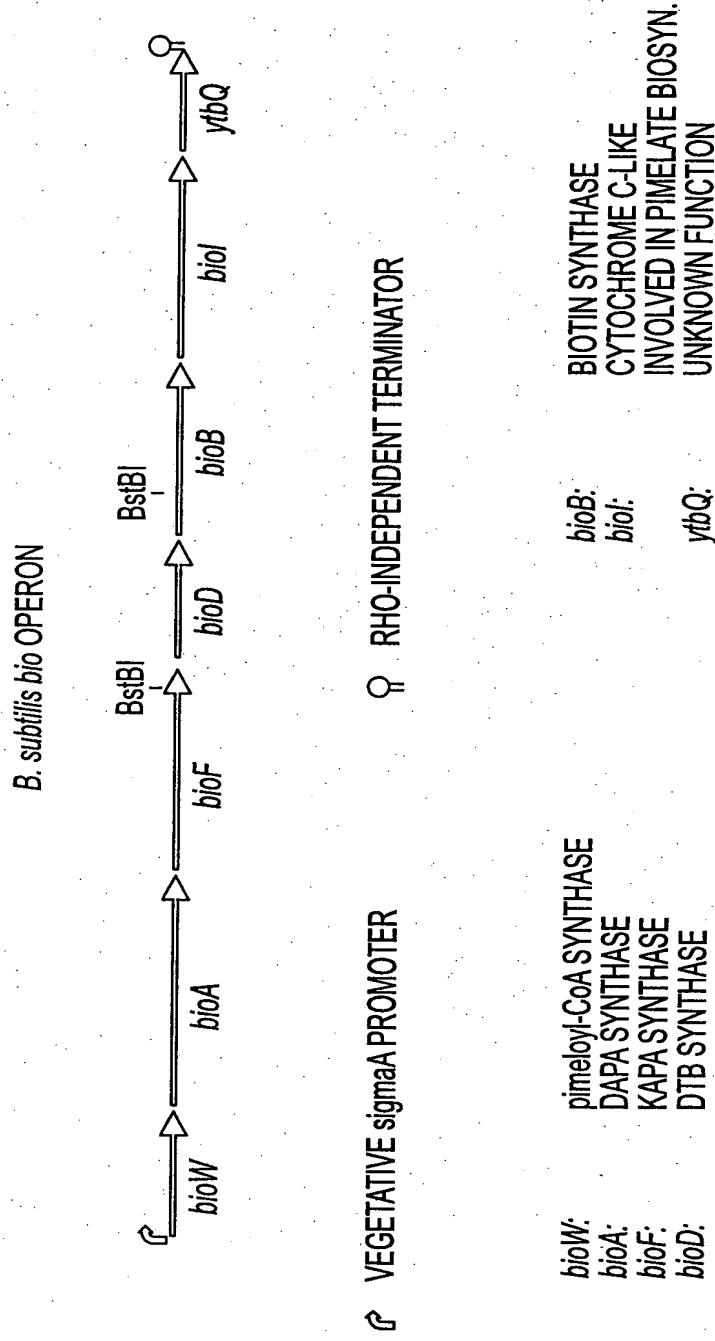


FIG. 3



IN RB50::[pRF69]BIO THE 3' END OF *bioF*, COMPLETE *bioD*, AND THE 5' END OF *bioB* (THE DNA SEQUENCE BETWEEN THE 2 BstBI SITES INDICATED IN THE DRAWING) WAS REPLACED BY A NEOMYCIN RESISTANCE GENE

FIG. 4